

Lithium Target Meeting Notes

Subject: Design Issues

Date: August 9, 2004

Attendees: Momo Vince Brian

Action Items:

- Brian- order vessels as soon as possible
- Brian- information for thermocouple points to Momo
- Brian and/or Vince- order vcr fittings and ½" hand valve when design count completed
- Vince- dimensions for 6, 8, 10, 12 band heaters to verify size in design
- Team- Flexible hose acceptable to us in pressure lines at room temperature?

Meeting Discussion:

- limit vcr's on lithium line
- vcr's ok on other lines
- replaced by item below
 - Vacuum vessel backside
 - add a flange with 2 Conflats,
 - 1 viewport
 - 1 pressure and vacuum
- add a conflate flange joint for vacuum on disc view port flange
- add 8 to 4 reducers
 - show reducers and viewports.
- add lifting lugs on cross
 - recommended using flange bolts for lifting, but lugs were preferred.
- move centered lifting lug on pressure vessel put lugs on outer skin
- 1/2 opening to vcr cross centered on pressure vessel top
- if gaskets to be made by central shops from iron material already on hand, try to make them like Midwest vacuum design, an outer edge only seal, not a knife edge seal.
- confirm the coil on the feed line can fit in a band heater.
 - heaters have even inch insides
 - will this restrict the movement from the coiled section or is it better to insulate this sections and heat above and below